Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

No. ~~First & Final~~ Part A (For Other Works) A155/KSO/SBR/21/14-15 dt: 28-4-14 Date.....2013

Division: **Byatarayanapura** Sub-Division: **Kodigehalli sub division**

Bill Received No. 44 Dated 30-05-14 Divisional / Sub Divisional Cash Book Voucher No..... Dated.....

Schedule Docket No. Head of Account: P-2178 **Work Code:** 007-14-000091 Est.Cost: 40.00 Lakhs D.R.No. :

Name of Work (as per sanctioned estimate: **Proposed Constructing additional building of chock, Watch and Ward Building in Ward No.07,(Byatarayanapura) Kodigehalli sub division.**

Name of Contractor and Full Address: **Technical Manager KRIDL (West)**

Reference to Agreement No.EE/BTP/KRIDL/W.O/301/2013-14 Date: 12.2.14

Certified that the measurements were taken by me on 27/4/14 and recorded of Pages 1891 to 1893 of measurement Book No. and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Assistant Executive Engineer
Byatarayanapura Sub-div:
KRIDL, BBMP, Bangalore

Certified that the measurement were taken by me on 28/4/14 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of a perishable nature and are all required for immediate use on the work in connection with items for finished work that have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	1st & Part Bill — 3287505=00
2) Deduct amount to be held in reserve being .....percent Rs.....	
3) " Balance	
4) Deduct Payment:	
a. Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No.....Amount adjusted towards cash advance recovery of	IT — 65750 — VAT — 131500 — FSD — 213688=00 CWC — 39875=00 CBT — 3288=00 Roy — 16232=00
b. Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	Total ded — 463,333=00 By cheque — 2824,172=00
5) Balance being unpaid value of work done held in reserve.	
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7) Net amount due to or from Contractor unadjustments items.	
8) Advance to Contractor for materials brought to site (as detailed) within.	
9) Value of Government materials supplied.	
Total amount adjusted -	

Contractor's Signature

Assistant Executive Engineer
Byatarayanapura Sub-div:
KRIDL, BBMP, Bangalore

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

(For use in the Office)

Witness
1.
2.

Dated Signature of Contractor

Paid by me by Cheque No..... Dated.....
Cash Rs.....
Dated.....

Initials of Officer making payment

Stamp
Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

3287505=00
463,333=00
28,24,172=00

Executive Engineer

Sl. No.	Items grouped under sub-Heads and Sub-Works of the Estimate	Unit
1	KSRB 2-1.1 : Earth work in surface excavation in **ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.50m. excavated surface levelled and neatly dressed , disposed earth to be levelled after breaking of clods and neatly dressed as	cum
2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches, 1.5m and above in width, **in hard soil**, exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with all lead upto 50m after breaking of clods complete as per specifications.(P.No.5, I.No.2.4)	cum
3	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 15kms.(Refer Table. Page No.150)	cum
4	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix M 10(1:3:6) with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (P-12 I.No.4.3)	cum
5	KSRB 5.2-3 : Providing and constructing granite/ trap/basalt size stone masonry in foundation in CM 1:6 stone hammed dressed in courses not less than 20cms high, bond stones at two m apart in each course including cost of materials labour, curing etc., complete as per specifications. (P.25, I.No. 5.6)	cum
6	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix M15(1:2:4) with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation and plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (P-12 I.No.4.6)	cum
7	KSRB 4-2.2 : Providing and laying in position reinforced cement concrete of design mix M20(1:1.5:3) with OPC cement @ 320kgs, with 20mm and down size graded granie metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase linels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labhour, HOM of machinery, curing, complete as per specifications. (P.No.13,I.No.4.11)	cum
8	KSRB 4-6.2Providing and removing centering, shuttering, strutting, propping etc., and removal form work for flat surface such as suspended floors, roofs, landings, balconies and like, thickness upto 200mm including cost of materials, labhour complete as per specification.(P.No.16,I.No.4.29)	Sqr
9	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wiere and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials labour HOM of machinery complete (P-19, I No. 4.46.2)	Qtl
10	Providing RCC loft (atta) 7.5cms thick with cement concrete design mix M20 using clean granite or trap jelly of 20mm and down size with necessary reinforcement at 20cms centre to centre as per design including form work, centring, curing, finishing the exposed faces with cement mortar (1:3) etc., complete (exlusive of cost of steel and fabrication charges).(P.20, I.No. 4.54)	Sqı
11	KSRB 6-2.4 : Providing and constructing burnt brick masonry with approved quality of class designation 50 with cement mortar 1:4 for basement and super structure including cost of materials labour charges, scaffolding, curing etc., complete as per specifications. (P.No.30, I No. 6.7)	cur
12	KSRB 6-7.2 : Construction of partition wall 11.2cms thick with non-modular table moulded burnt bricks of class designation 50 with cement mortar 1:4 including providing and fixing plaster mesh manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm. 100 mm. wide as per I.S. 2212/1991 at 7.5m. c to c including cost of materials,labhour charges, scaffolding, curing complete as per specifications.(P.No.33,I.No.6.24)	Sq

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
[illegible]	-	11.76	124.02	**1458.48**	11.76	1458.48	
-	-	8.78	223.66	**1963.73**	8.78	1963.73	
-	-	20.55	100.60	**2067.33**	20.55	2067.33	
-	-	10.37	4413.84	**45771.52**	10.37	45771.52	
-	-	3.95	3484.22	**13762.67**	3.95	13762.67	
-	-	0.28	4690.50	**1313.34**	0.28	1313.34	
-	-	36.85	5535.32	**203976.54**	36.85	203976.54	
-	-	316.40	284.08	**89882.91**	316.40	89882.91	
-	-	29.48	7312.94	**215585.47**	29.48	215585.47	
-	-	8.18	458.98	**3754.46**	8.18	3754.46	
-	-	67.23	5916.92	**397794.53**	67.23	397794.53	
-	-	22.64	799.24	**18094.79**	22.64	18094.79	

13	KSRB 15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering,: providing and removing scaffolding, including cost of materials,labhour, curing complete as per specifications.(P.No.123, I.No.15.21)	Sq
14	KSRB 15-3.7 : Providing 18mm thick cement plaster in single coat with cement mortar 1:3 to brick masonry including rounding off corners wherever required smooth rendering,: providing and removing scaffolding, including cost of materials,labhour, curing complete as per specifications.(P.No.122, I.No.15.15)	Sq
15	KSRB 15-7 : Providing and lime rendering for plastering to wall and ceiling including cost of materials, labhour , curing complete as per specifications(P.No.124,I.No.15.33)	Sq
16	KSRB 15-13 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3 to brick masonry including rounding off corners wherever required smooth rendering,: providing and removing scaffolding, including cost of materials,labhour, curing complete as per specifications.(P.No.123, I.No.15.18)	cu
17	KSRB 15-5.1 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4, to brick masonry for base for of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labhour, curing complete as per specifications.(P.No.123,I.No.15.30)	Sq
18	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles 30x45cms 6mm thick with border of size 30x 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications (P.	Sq
19	KSRB 14.14-2 : Providing Ceramic tiles 30x30cms of approved make, shade and size for flooring, treads of steps and landings laid on bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials,labhour,curing,complete as per specifications.(P.No.115,I.No.14.36.2).	Sq
20	KSRB 4-5 : Providing lath plaster with cement mortar 1:3, 5cm thick with 6mm dia mild steel bars at 20 cms. C to c both horizontally and vertically fixed chicken mesh for drop chajja, facia, backing to cup boards including cost of all materials, curing, complete as per specifications.(P.No.16,I.No.4.27)	Sq
21	KSRB 9.4-2 : Providing Honne Wood frames of windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps) but including cost of materials, labour HOM of machineries complete (P.56, I.No. 9.11)	
22	KSRB 9-7.1 : Providing and fixing in position fully panelled Honne wood shutters for door,styles and rails of	
23	SOLID PVC DOOR FRAME : Providing and fixing factory made PVC door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners and jointed 2 nos. of 150 mm long brackets of 15mm x 15mm MS square tube the entire door frame to be reinforced with 19mm x 19mm gauge. The frame to be fixed to the wall using MS screws of 65/80 mm size complete as per manufactures specifications.(P.No.63,I.No.9.84)	
24	SOLID PANEL PVC DOOR SHUTTER : Providing and fixing 30mm factory made rigid foam panelled door shutter made of MS tube of 19 gauge thickness size 19mm x 19mm from styles and 15mm x 15mm for top and bottome rails, covered with heat moulded PVC channel of 5mm thick sheet and 30mm x 50mm wide to form styles and 5mm thick 75mm wide PVC sheets for top rails, lock rails and bottom rails, on either side and 5mm thick 20mm wide PVC sheet as gap inset for top rails and bottom rails panelling of 5mm thick PVC sheet fitted in the MS frame, seales to the styles and rails with 5 x 30mm PVC sheet beading on either side and joined together with solvent cement adhesive etc., complete as per manufactures specifications and directions as per engineer-in-charge fixed to frames with 3 nos of 75mm aluminium hinge.(P.No.63,I.No.9.83).	
25	KSRB 7.8 : Providing and fixing in position in cement concrete 1:3:6 steel glazed window and ventilators side hung/top hung 2/3 openable 1/3 fixed as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 kg/m both for outer and inner frames and central mullion section of size 25x46x3mm, weighing 2.2 kg/m all duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows, not more than 34cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size all steel sections should confirm to I.S.7452:1990, 4nos. of holdfasts of approved size, section should be cut of length welded and grinded electrically subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be thoroughly cleaned free of rust painted with one coat of anti-corrosive paint and finishing two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labhour charges and HOM of machinery complete as per specifications.(P.No.37,I.No.7.8	
26	Providing and fixing M.S.Hand railing for Balcony with 50mm dia. M.S.hollow pipe of 14 gauge, welded to 20mmx20mm M.S.square rod placed vertically, spaced 100mm at regular intervals of 600mm. These vertical rods laterally tied to 2 horizontal rods spaced at equal interval. These assembly is fixed to concrete by wire	

-	-	126.90	163.24	**20715.16**	126.90	20715.16	
-	-	401.45	209.88	**84256.33**	401.45	84256.33	
-	-	528.35	19.08	**10080.92**	528.35	10080.92	
-	-	337.96	223.66	**75588.13**	337.96	75588.13	
-	-	57.92	150.52	**8718.12**	57.92	8718.12	
-	-	57.92	1261.40	**73060.29**	57.92	73060.29	
-	-	11.57	933.86	**10804.76**	11.57	10804.76	
-	-	3.26	895.70	**2919.98**	3.26	2919.98	
-	-	0.77	105456.22	**81201.29**	0.77	81201.29	
-	-	11.34	3995.14	**45304.89**	11.34	45304.89	
-	-	29.00	545.90	**15831.10**	29.00	15831.10	
-	-	7.88	3343.24	**26344.73**	7.88	26344.73	
-	-	1.80	3058.10	**5504.58**	1.80	5504.58	
-	-	12.80	2664.84	**34109.95**	12.80	34109.95	

27	KSRB 7.9 :Providing and fixing in position MS grill work for windows & ventilators weighing 21 kg/Sqm using MS flats or MS square rods or combination of MS flats & square rods as per design drawing including cutting	kgs
28	KSRB 7.10 : Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm With 1.2mm	Sqm
29	Providing and fixing M.S.Gate as per Chief Architect drawing, usin 50x50mm 14 gauge M.S.hollow pipe	each
30	KSRB 7.4 : Providing and fixing 1mm thick M.S. sheet garage door with frame and diagonal braces of size 40x40x6mm angle Iron, 3.15mm thick M.S.gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labhour, HOM of machinery complete as per specification(P.No.36,I.No.7.3)	Sqm
31	KSRB 8.3-2 : Providing and laying to required line and slope roofing with semi-corrugated(trafford) asbestos cement sheet 6mm.thick fixed with galvanised iron J or L hooks, and nut 8mm dia C.I.Plain and bitumen washers, over the existing purlins, rafters and trussess including cost of materials, labhour, complete as per specifications.(P.No.51,I.No.8.6)	Sqm
32	Providing and fixing granite flooring in combination of 19mm thick (Avg) gang saw water cut LAKARED granite with 86% and with 14% of 19mm thick (avg) Black granite in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost of conveyance of all materials, labhour for all items of work, HOM of equipment etc., complete as per specification.(P.No.118,I.No.14.58)	Sqm
33	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labhour for all items of work, HOM of equipments etc., complete as per specifications.(P.No.118,I.No.14.56)	Sqm
34	KSRB 14.7-3 : Providing and laying flooring 40mm thick, with an under layer of 30mm 1:2:4 cement concrete, using broken granite metal of 12.5mm nominal size and top layer of 10mm thick plaster with cement mortar 1:3, finished with floating coat of cement, including cost of materials, labhour, curing, complete as per specifications.(P.No.110,I.No.14.10)	m
35	KSRB 15-14.4 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labhour complete as per specifications.with primer.(P.No.126,I.No.15.51.2)	Sq
36	Providing and finishing external walls in two coats with primer water proof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specification (P-127, I.No. 15.53.2)	Sq
37	Applying priming coat over new wood surface and / or wood based surface with white lead paint priming including preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting, ready mix paint including cost of materials, labour, complete. (P.No.127, I.No.15.55)	Sq
38	Providing and applying painting two coats (excluding priming cost) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour etc., complete as per specifications. (P.No.128, I.No. 15.60.1)	Sq
39	KSRB 10-3 : Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound confirming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100 size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound confirming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs.(c) After two days of proper curing,applying a second coat of cement slurry admixed with proprietary water proofing compound. (d) Finishing the surface with 20mm thick jointless cement moratr of mix 1:4 admixed with proprietary water proofing cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labhour	Sq
40	KSRB 8.6-8 : Providing and fixing on wall surface 4.0kg/sq.cm H.D.P.E rain down water pipes 110mm outer dia approved make and brand with necessary specials like shoes, bends, and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labhour, complete as per specifications.(P.No.52, I.No.8.19)	

-	-	376.11	95.40	**35880.89**	376.11	35880.89	
-	-	13.77	3832.96	**52779.86**	13.77	52779.86	
-	-	9.90	3281.76	**32489.42**	9.90	32489.42	
-	-	2.20	2745.40	**6039.88**	2.20	6039.88	
-	-	13.50	397.50	**5366.25**	13.50	5366.25	
-	-	**152.62**	**5283.36**	**806346.40**	152.62	806346.40	
-	-	33.30	130.38	**4341.65**	33.30	4341.65	
-	-	112.70	442.02	**49815.65**	112.70	49815.65	
-	-	528.35	79.50	**42003.83**	528.35	42003.83	
-	-	337.96	78.44	**26509.58**	337.96	26509.58	
-	-	70.29	29.68	**2086.21**	70.29	2086.21	
-	-	70.29	78.44	**5513.55**	70.29	5513.55	
-	-	144.19	779.10	**112338.43**	144.19	112338.43	
-	-	14.00	595.72	**8340.08**	14.00	8340.08	

41	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labhour, transport charges, HOM of equipments and testing complete as per specifications.(For 1000 litre capacity).(P.No.103.I.No.13.78).	pan
42	KSRB 11-4 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580x440mm with integral type foot rests, 100mm S or P trap,(approved make) cutting and making good the wall and floor wherever required,including cost of materials, labhour complete as per specifications.(P.No.79, I.No.12.4)	eac
43	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580x440mm with integral type foot rests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I/M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labhour complete as per specifications.(P.No.79, I.No.12.2)	eac
44	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580x440mm with integral type foot rests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I/M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labhour complete as per specifications.(P.No.79, I.No.12.2)	eac
45	KSRB 11-7.2 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin 430x260x350mm with 5 litres PVC automatic flushing cistern, C.I/M.S brackets, standard flush pipe and C.P.brass spreaders with brass unions and G.I.clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labhour complete as per specifications.(P.No.80, I.No.12.7)	ea
46	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P.brass pillar taps with C.I./ M.S brackets, 32mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labhour complete as per specifications.(P.No.82,I.No.12.23)	ea
47	KSRB 11-15.3 : Providing and fixing 453x357mm rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labhour complete as per specifications.(P.No.85,I.No.12.41)	U
48	KSRB 11-17-1 : Providing and fixing C.P. brass towel rail 600mm length, 20mm dia with C.P.brackets, fixed to wooden cleats with C.P.brass screws including cost of materials,labhour complete as per specifications.(P.No.85,I.No.12.46).	U
49	KSRB 13-8.9 : Providing and fixing to wall, ceiling and floor high density polyethlene pipes 6.00 kgf/sq.cm working pressure 90mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labhour charges, HOM of equipments and testing complete as per specifications. (P.No.102,I.No.13.73.3)	m
50	KSRB 13-8.9 : Providing and fixing to wall, ceiling and floor high density polyethlene pipes 6.00 kgf/sq.cm working pressure 140mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labhour charges, HOM of equipments and testing complete as per specifications. (P.No.102,I.No.13.73.5)	m
51	Providing Gun metal pillar cocks 15mm dia of I class confirming to ISI specifications and fixing them in position as per directions including cost of materials and fixtures and conveyence to spot.(P.No.104,I.No.13.80).	e
52	KSRB-1.2 : Providing and fixing to wall, ceiling and floor galvanised/mild steel tube 20mm dia nominal bore with of fittings(medium grade weight 1.65kg/m) B class including cost of all materials, labhour charges, HOM of equipments and testing complete as per specification.(P.No.94, I.No.13.2)	r
53	KSRB-1.3 : Providing and fixing to wall, ceiling and floor galvanised/mild steel tube 25mm dia nominal bore with of fittings(medium grade weight 2.51kg/m) B class including cost of all materials, labhour charges, HOM of equipments and testing complete as per specification.(P.No.94, I.No.13.3)	r
54	KSRB 13-1.3 : Providing and fixing to wall, ceiling and floor galvanised/mild steel tube 32mm dia nominal bore with of fittings(medium grade weight 3.23kg/m) B class including cost of all materials, labhour charges, HOM of equipments and testing complete as per specification.(P.No.94, I.No.13.4)	
55	KSRB 13-6.4-2 : Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality 20mm nominal bore including cost of all materials, labhour and HOM of equipements with all leads complete as per specifications.(P.No.98,I.No.13.41).	

-	-	2.00	8831.92	17663.84	2.00	17663.84
-	-	2.00	2271.58	4543.16	2.00	4543.16
-	-	3.00	4441.40	13324.20	3.00	13324.20
-	-	2.00	4441.40	8882.80	2.00	8882.80
		2.00	2900.16	5800.32	2.00	5800.32
		5.00	3773.60	18868.00	5.00	18868.00
		5.00 1.00	1204.16	6020.80	5.00	6020.80 1204.16
		5.00 2.00	719.74	3598.70 (illegible)	5.00 2.00	3598.70 (illegible)
		40.00	491.84	19673.60	40.00	19673.60
		25.00	748.36	18709.00	25.00	18709.00
		10.00	259.70	2597.00	10.00	2597.00
		50.00	224.72	11236.00	50.00	11236.00
		30.00	310.58	9317.40	30.00	9317.40
		15.00	354.04	5310.60	15.00	5310.60
		1.00	419.76	419.76	1.00	419.76

56	KSRB 13-6.2-2 : Providing and fixing in position brass stock cock of approved quality 20mm nominal bore including cost of all materials, labhour and HOM of equipements with all leads complete as per specifications.(P.No.96, I.No.13.27).	each
57	KSRB 13-6.3-2 : Providing and fixing in position brass gate ball valve with C.I.wheel of aproved quality (screwd end) 20mm nominal bore including cost of all materials, labhour and HOM of equipements with all leads complete as per specifications.(P.No.97, I.No.13.33).	each
58	Providing stoneware gully trap 15cms x 10cms of approved quality and make fixing in M15 and plastering with CM 1:3 wherever necessary.(Rate includes cost of all material, fixture and lead)(P.No.92,I.No.12.112.2)	each
59	Providing and fixing 7.5cm to 15 cms dia NP grating 100 mm dia.(P.No.92,I.No.12.111)	each
60	KSRB 12-8.1 : Constructing brick masonry inspection chamber 600x600mm and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I.cover with frame(light duty) 600x600mm inner dimensions, total weight cover with frame to be not less than 38kg(weight of cover with frame 15kg) R.C.C. top slab with cement 1:2:4 mix 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat on walls and bed concrete complete as per standard including cost of materials, labhour charges, curing complete as per specifications.(P.No.74,I.No.11.50.1)	each
61	Hold fasts MS.(P.No.XIV,S.L.No.396,Code.No.0189)	each
62	Hinges 5" Heavy duty.(P.No.XIV,S.L.No.395,Code.No.0188)	each
63	Handles powder coated 150mm.(P.No.XIV,S.L.No.393,Code.No.0178)	each
64	Locking arrangements.(P.No.XIV,S.L.No.397,Code.No.0220)	each
65	Providing 2 legged scaffolding for stone maosnry work using 10-15 cms. Dia best quality casurian poles of 4m over all length(3m+0.5m projection+0.5m + Projection+0.5m. In to the ground) the distance between two rows being 1.25m and spacing of posts being 2m c to c including longitudinal and transverce middle braces to step up and providing platform with casurina poles, forms tied up using coir rope complete as per specifications.(P.No.18,I.No.4.43.1)	Mtr
66	Providing and laying/fixing cement base, precast, pre polished cement concrete designer tiles 25mm thick confirming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3, mis finished with flush pointing using white cement, including cost of materials, including cutting, grinding the edge to half/full round wherever required, labhour, complete as per specification.(P.No.119,I.No.14.62)	Sqr
67	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 witht top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including cost of all materials, labhour, hire charges of machinery, loading, unloading, lead and lift, trasportation etc., complete(P.No.28, I.No.5.30.5.29(b))	Nos
68	KSRB 8.7-5 : Providing and fixing in position 12mm thick plaster of paris (Gypsum anhydrous) for ceiling flat surface with ceiling tiles upto a height of 5m above floor level wooden frames and rendered smooth with plaster of paris (frame work to be measured and paid for separately) including cost of materials, labhour, curing complete as per specifications.(P.No.53,I.No.8.24)	Sq
69	KSRB-7.1: Providing and fixing in position collapsible steel shutters with single or double leaf with vertical channel 20mm x 10mm x 2mm braced with flat iron diagonals 20mm x5mm size, with top and bottom rails of T iron sections of 40x40x6 mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stoppers, handles on both sides with 7.5cms openings at 10cms c to c applying a priming coat of red lead pint cost of materials, labour HOM of machinery complete size of gate 2.4m x 1.4m (P-36, I No. 7.1)	Sq
	Total	
	KRIDL CHARGES 11%	
	Labour cess 1%	
	Grand Total	

Certificate

1 Certified that the above work done satisfactory and no materials issued from departmentally

		15.00	169.60	2544.00	15.00	2544.00
		2.00	428.24	856.48	2.00	856.48
		8.00	286.20	2289.60	8.00	2289.60
		12.00	169.60	2035.20	12.00	2035.20
		4.00	8063.42	32253.68	4.00	32253.68
		20.00	38.00	760.00	20.00	760.00
		20.00	37.00	740.00	20.00	740.00
		12.00	56.00	672.00	12.00	672.00
		7.00	633.00	4431.00	7.00	4431.00
		50.00	239.56	11978.00	50.00	11978.00
		17.90	1028.20	18404.78	17.90	18404.78
		90.00	262.88	23659.20	90.00	23659.20
		7.74	782.28	6054.85	7.74	6054.85
		9.38	4306.78	40397.60	9.38	40397.60

2961716 =
2972759
327004
3270
3303033

3257.89 =

3287505 =

2961,716 =
2972759
327003.52
3270.04
3303033

3257.89 =

3287.505 =

28/4/14